

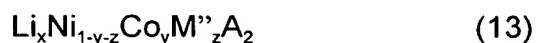
WHAT IS CLAIMED IS:

1. A positive active material composition comprising:
a positive active material including a lithiated transition metal compound; and
an additive selected from the group consisting of semi-metals, metals and oxides thereof.

2. The positive active material composition of claim 1 wherein the semi-metal is at least one semi-metal selected from the group consisting of Si, B, Ti, Ga, Ge and Al, and the metal is at least one metal selected from the group consisting of Ca, Mg, Sr and Ba.

3. The positive active material composition of claim 1 wherein the lithiated transition metal compound is selected from the group consisting of compounds represented by formulas 1 to 13:





where $1.0 \leq x \leq 1.1$, $0.01 \leq y \leq 0.1$, $0.01 \leq z \leq 0.5$, M' is at least one transition metal or lanthanide metal selected from the group consisting of Al, Cr, Co, Mg, La, Ce, Sr and V, M'' is at least one transition metal or lanthanide metal selected from the group consisting of Al, Cr, Mn, Fe, Mg, La, Ce, Sr and V, A is selected from O, F, S or P, and B is Ni or Co.

4. The positive active material composition of claim 1 wherein the additive is 0.01 to 10 wt% of the positive active material.

5. A method of preparing a positive electrode for a rechargeable lithium battery comprising the steps of:

mixing a positive active material with an additive, the positive active material being selected from the group consisting of lithiated transition metal compounds, and the additive being selected from the group consisting semi-metals, metals and oxides thereof;

adding an organic solvent to the mixture to prepare a positive active material composition;

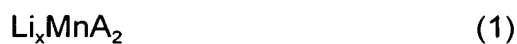
applying the positive active material composition on a current collector; and

drying the current collector coated with the positive active material composition.

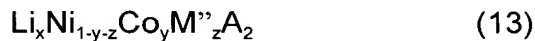
6. The method of claim 5 wherein the amount of the additive is 0.01 to 10 wt% of the positive active material.

7. The method of claim 5 wherein the lithiated transition metal

compound is selected from the group consisting of the formulas 1 to 13:



5



where $1.0 \leq x \leq 1.1$, $0.01 \leq y \leq 0.1$, $0.01 \leq z \leq 0.5$, M' is at least

one transition metal or lanthanide metal selected from the group consisting of Al,

Cr, Co, Mg, La, Ce, Sr and V, M'' is at least one transition metal or lanthanide

metal selected from the group consisting of Al, Cr, Mn, Fe, Mg, La, Ce, Sr and V,

A is selected from O, F, S or P, and B is Ni or Co.

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all
b2